Sunoco, Inc.
Margaret & Bermuda Streets
Philadelphia PA 19137-1193
215 533 3000

Martin Matlin (3LC70)
U.S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Via Certified Mail No. 7007 0710 0000 3856 5818

Re: Response to USEPA Request for Information Dated 24 May 2011
Sunoco, Inc.
EPA ID No. PAD002312791
Reference Number: C11-020

Dear Mr. Matlin:

Sunoco, Inc. (Sunoco) is supplying the following information in response to USEPA's letter dated May 24, 2011. In brief, that correspondence requested additional information and clarification related to issues from the September 28 and 29, 2010 U.S. Environmental Protection Agency (USEPA) inspection of this facility.

This letter is organized by presenting the exact text (shown in italics) and numbering sequence used in USEPA's May 24, 2011 correspondence, followed by Sunoco's response. All supporting documents are referenced by consecutive attachment numbers formatted with a number and letter. The number references the initial USEPA questions and the letters are used consecutively for the specific question.

1. At the time of the inspection, the containment area for Permitted Storage Pad A appeared to show flaking and cracking (see Photograph 19 of the report). Regarding this pad, please describe:

a. When the pad began cracking/flaking

For clarification, Sunoco acknowledges that there was cracking and flaking for the *surface coating* on the waste storage pad. However, the integrity of the overall concrete pad remains excellent. Per text from this facility's Part B permit, "the concrete storage area base was designed to have a minimum seven-inch thickness and a compressive strength of 3,500 psi, and was designed to be essentially impervious." Over the years since the installation of the pad, minor stress cracks have developed on occasion in the pad. In all cases, the cracks have been

routed out at the surface, and filled with flexible sealer. At the time of the USEPA RCRA inspection the surface coating was flaking; however, there were no pad cracks or gaps that appeared capable of allowing liquids to leak or seep to subsurface media.

Sunoco has no records or other documentation demonstrating exactly when the surface coating began to show cracking or flaking.

b. If the pad has been repaired since the date of the inspection: state the date of completion of the repairs, a description of the work done, and the costs associated with the repairs

A work order request was submitted on September 8, 2010 (prior to the inspection) requesting that the on-site planning department address the surface flaking by contracting a company to "reseal and repaint" the waste storage pad. A copy of the work order routing document (Work Order RT025094) is included as Attachment 1A.

On October 21, 2010, Sunoco issued a purchase order to Service Painting Inc. to "Blast clean, resurface, and seal the drum park". The complete cleaning and recoating of the drum pad was accomplished between approximately October 31 and November 8, 2010. On November 11, 2010, Sunoco was invoiced $14,000 for the recoating project. Service Painting's November 11 invoice notes the project is 100% complete. Copies of Sunoco's purchase order for the work, as well as a copy of the final invoice are included as Attachment 1B.

The pad is coated with two layers or Sherman Williams COR-COTE ® VEN GF (a cut sheet for the product is included as Attachment 1C). The first layer is applied directly to cleaned and properly prepared concrete. A second coat is then applied, and sand is broadcast over the second coat's surface before the material dries. The sand provides a slip resistance coating. The surface flaking observed during the inspection was from this surface slip resistance coating containing the sand mixture. The primary first coating layer was intact.

Sunoco is aware that fork truck traffic on the containment pad is eventually destructive to the coating. On many occasions, the slip resistance coating begins to peal up, long before the base coat delaminates from the concrete. The imperfections noted in the containment pad coating were the non-slip coating flaking off and not the primary coating.

c. If the repairs have not been completed: state the intended date of the repair work and the projected costs.

All repairs to the drum park are complete.

2. ***There appeared to be residue found around Boiler #1, its associated piping, on a nearby bucket, and on the floor nearby (see Photos 25-29). Regarding <u>each</u> of these areas of residue, please provide:***

Sunoco is currently researching this finding and the associated requests for additional information. In June 2, 2011 phone and email communications between Paul Persing of this facility, and Martin Matlin of USEPA, Mr. Matlin agreed to an extension to provide select information. Sunoco will provide a complete response to this issue by July 15, 2011.

3. ***In the Quality Control Lab four 10gal red metal containers were found, all labeled as HW. Additionally, seven more red plastic containers were found, stated by the representative to contain excess samples. Please state the capacities of each of these seven plastic containers. Additionally, regarding the contents of each of these seven containers, please provide:***

   a. A detailed description of its source

   Sunoco respectfully notes that the "four 10 gal red metal containers" referenced are actually six-gallon containers (see photo included as Attachment 3A). The metal containers are satellite collection points for spent gas chromatograph (GC) vials used during in-house quality assurance analyses. Two containers are designated for spent GC vials holding phenol; two containers are designated for GC vials holding other solvents or oils associated with the manufacturing of phenol. Internal operating procedures require operators to dispose of the spent vials in the proper containers following completion of the associated analytical testing. Please note that all four containers are in good condition, clearly marked as hazardous waste, compatible with the waste being stored, and kept closed except when additional waste is added. These containers are under the control of the lab chemist working in the area – and the laboratory is staffed 24-hours per day, seven-days per week. The maximum total volume of the four cans is 24 gallons. These containers meet all requirements of the Satellite Accumulation Area regulations defined in 40 CFR 262.34(c).

   Further, Sunoco has a designated individual whose job includes the weekly emptying of these cans. All vials from the six-gallon cans are consolidated in 55-gallon drums located in the drum storage park. When the 55-gallon drums are full, they are sent out as one of two designated waste streams – either "Spent GC Vials" or "Spent Phenol Vials".

   The "seven red plastic containers" are utilized as collection points to containerize excess quality-assurance samples and laboratory process chemicals, primarily including acetone,

cumene, alpha-methyl styrene, and by-products or co-products generated during the manufacturing of phenol. The mixture of chemicals is returned to the facility's onsite process stream for reuse and recycling.

Each container has a labeled capacity of five-gallons (see Attachment 3B). The entire contents of all the plastic containers are emptied into the onsite #3 Phenol Pit sump, where the liquid is *returned to the manufacturing process for reuse and recovery.* The contents of these containers are returned to the facility's process stream, "as is", and are ultimately refined to make additional product. Accordingly, pursuant to USEPA 40 CFR 261.2(e) these chemicals are not defined as a solid waste and therefore can not be considered a hazardous waste.

b. Its date(s) of generation

Small quantities of the chemical mixture are generated daily. Sunoco does not keep a log of specific generation dates or volumes.

c. State whether a "waste determination" and "LDR determination" has been made for the material

"Spent GC Vials" and "Spent Phenol Vials" are both designated hazardous waste streams and both require LDR forms when sent offsite for disposal. Both waste streams are profiled with Clean Harbors Environmental as hazardous waste. Copies of the respective profiles are included as Attachment 3C.

No "waste determinations" or "LDR determinations" are required for the solvents that are returned to the process because they are not solid wastes..

d. If a "waste determination" and "LDR determination" has been made, state when such a determination(s) was made and the results of such determination(s)

We maintain an electronic database demonstrating that "Spent GC Vials" and "Spent Phenol Vials" waste streams were profiled and sent offsite for disposal (with LDR determination) since 2001. Documentation prior to 2001 is not readily available.

No "waste determinations" or "LDR determinations" are required for the solvents that are returned to the process because they are not solid wastes.

e. ***If the material has been determined to be "hazardous waste," please state the specific EPA Hazardous Waste Code(s) associated with such hazardous waste. If it has been determined not to be hazardous waste, explain the reasons for such determination.***

"Spent GC Vials" carry waste codes D001, U002, and U055. "Spent Phenol Vials" carry waste codes U188.

No "waste determinations" or "LDR determinations" are required for the solvents that are returned to the process because they are not solid wastes.

f. ***State whether any hazardous waste determination made for such waste was based on the generator's knowledge of the process that generated the waste, or upon analytic results. If a determination was made on the basis of process knowledge, describe in detail the scientific rationale for such a determination. If the determination was based on analytical results, describe the sampling procedures and provide copies of any and all such results.***

The hazardous waste determination for "Spent GC Vials" and "Spent Phenol Vials" is based on process knowledge. This facility has researched, developed the manufacturing procedures, and consistently manufactured the chemicals associated with these waste streams. The facility maintains a full-time staff of product development chemists, as well as a separate staff of quality assurance / quality control chemists. The material that ultimately comprises these waste streams is analyzed multiple times per day by state-of-the-art laboratory instrumentation for quality and consistency. Accordingly, Sunoco is qualified to make this waste determination based on process knowledge.

g. Please state if the material has been removed and/or shipped off-site and the date of such removal and/or shipment(s). If the material has not been shipped off-site, state its current location and explain why it has not been shipped off-site.

"Spent GC Vials" and "Spent Phenol Vials" are both sent offsite for disposal approximately every three to nine months. Attachment 3D summarizes the waste disposal events for these waste streams occurring over the last three years.

The non-hazardous spent solvents that are generated in the laboratory are not sent offsite for disposal.

h. If the material was shipped off-site, provide copies of all bills of lading, manifests (including but not limited to hazardous waste manifests), shipping invoices, and LDR notices and certifications that accompanied and/or refer to each off-site shipment of this waste.

Attachment 3D includes copies of manifests for the last three years, when "Spent GC Vials" and "Spent Phenol Vials" were sent offsite for disposal.

4. ***Some Universal Waste batteries were found in a shed in the "Boneyard" (Photos 33 & 34) at the time of the inspection. As the accumulation start dates for each of these batteries was unreadable, please provide the accumulation start date for each battery found. If any of the batteries has since been shipped offsite, please provide the date(s) and any relevant documentation of such shipment(s).***

Sunoco is unable to quantitatively provide an accumulation start date for the batteries noted in the "boneyard" battery shed. However, it is our standard procedure to have *all* lead acid batteries removed from the shed in a single shipment, and on a frequency that ensures that none can be stored for more than one year. The last shipment prior to the photos being taken was June 16, 2010, and therefore the batteries could not have been stored more than approximately 14 weeks.

All the batteries noted at the time of the USEPA inspection were disposed of on October 13, 2010.

This facility disposes of universal waste, including lead-acid batteries, approximately every four months. Three years of waste manifests for battery disposal events are included as Attachment 4A.

5. ***Next to this shed several lead acid batteries were also found, all of which appear to have been weathered and one of which appeared to have leaked (Photos 35 & 36). Regarding each of these batteries, please provide:***

a. Its date of generation

The referenced batteries were all associated with electric-powered golf carts that were removed from service before the inspection. The batteries were removed and retained when golf carts were taken out of service. Carts removed from service (such as those noted in the inspection) are utilized for spare parts to service other in-service golf carts. Though Sunoco did not test the batteries that were removed from the out of service carts, we have retained such used batteries in the past because we believed they may have remaining useful life and could be used in other carts.

b. Please state if the battery has been shipped off-site and the date of such shipment. If the battery has not been shipped off-site, state its current location and explain why it has not been shipped off-site.

To alleviate any uncertainty regarding whether these batteries could be reused, , Sunoco shipped all batteries offsite on October 13, 2010.

c. If the battery was shipped off-site, provide copies of all bills of lading, manifests (including but not limited to hazardous waste manifests), shipping invoices, and LDR notices and certifications that accompanied and/or refer to each off-site shipment of this waste.

This issue was address in question number 4. The requested manifests are included in Attachment 4A.

d. Please state if the material found leaking from one of the batteries has been cleaned up. If it has, state the date of such clean-up, the methods used, and the final destination of such material. If it has not been cleaned up, please state why.

One battery that was noted in the "bed" of a cart was leaking. Staining in the bed suggests all spilled liquid remained in the bed. At the time of disposal, no liquid was present. The golf cart has since been sent offsite as scrap metal. No additional cleanup up was required.

6. Also in the "Boneyard" the facility appears to maintain a drum decontamination area, in which was found a 55gal drum labeled as containing methanol and appearing to be full (Photo 37), as well as three blue drums labeled as containing "Caustic TBC 85% Water" (shown in Photo 38 after being over-packed). Regarding each of these containers, please provide:

a. A detailed description of its source

This facility utilizes methanol as antifreeze in some of the site's chilling water systems. Methanol is mixed with the water to lower the freezing point; the mixture is referred to as "brine".

When the system is recharged or a new batch of brine is introduced, the onsite material handler will stage six to eight full drums of methanol at the chiller. Production will then ad the methanol and water until the desired concentration is achieved. Empty methanol drums are ultimately moved from the chiller to the drum decontamination pad for cleaning and disposal.

A new brine batch was made up in the weeks prior to the facility RCRA inspection. The material handler correctly moved what were believed to be empty metal drums from the chiller to the decontamination pad. Inadvertently, however, the handler moved one of the drums containing methanol to the pad while the material was still in use.

Once discovered, the drum was removed from the pad and returned to inventory.

The two Caustic TBC drums contained a heel of chemical were intended to be steam cleaned, in preparation for disposal. In order to be conservative and expedite the disposal of the drums, Sunoco prepared the three drums of TBC to be sent as waste. Note that the material was initially packaged and labeled as hazardous waste. Upon further review prior to disposal,, Sunoco determined that the chemical was not hazardous waste and it was therefore shipped as non-hazardous.

b. Its date of generation

The TBC remaining in the drums was unused virgin product. The date of generation is unknown.

c. State whether a "waste determination" and "LDR determination" has been made for the contents

The material does not have characteristics of hazardous waste and did not contain specific component chemicals listed as hazardous waste. The chemical does have a basic pH; however the value is greater than pH 2.0. Accordingly, the material was not hazardous waste and no LDR determination is required.

d. If a "waste determination" and "LDR determination" has been made, state when such a determination(s) was made and the results of such determination(s)

The material was not hazardous waste and therefore no LDR determination is required.

e. If the contents have been determined to be "hazardous waste," please state the specific EPA Hazardous Waste Code(s) associated with each such hazardous waste. If they have been determined not to be hazardous waste, explain the reasons for such determination.

Not a hazardous waste; not applicable.

f. ***State whether any hazardous waste determination made for such waste was based on the generator's knowledge of the process that generated the waste, or upon analytic results. If a determination was made on the basis of process knowledge, describe in detail the scientific rationale for such a determination. If the determination was based on analytical results, describe the sampling procedures and provide copies of any and all such results.***

Not a hazardous waste; not applicable.

g. ***Please state if the container has been shipped off-site and the date of such shipment(s). If the container has not been shipped off-site, state its current location and explain why it has not been shipped off-site.***

The containers were shipped offsite on October 13, 2010.

h. ***If the container was shipped off-site, provide copies of all bills of lading, manifests (including but not limited to hazardous waste manifests), shipping invoices, and LDR notices and certifications that accompanied and/or refer to each off-site shipment of this waste.***

A copy of the manifest for the disposal of this material is included as Attachment 6A. Note that the three drums sent for disposal had a combined weight of 375 pounds. Considering that the 55-gallon drums were over packed into 85-gallon drums, Sunoco estimates that the weight of the empty drums would be approximately 100 to 110 pounds each – or 300 to 330 pounds, combined. Forty-five to 75 pounds of TBC would equal six to ten gallons of chemicals.

7. ***Regarding daily tank inspections, no logs could be found for the following tanks and dates:***

Tank VT-130: between 11/15/09 and 11/23/09, and between 12/13/09 and 12/21/09
Tank VT-132: between 11/15/09 and 11/23/09
Tank VT-245: between 11/15/09 and 11/23/09, and between 12/13/09 and 12/21/09
Tank VT-602: between 11/15/09 and 11/23/09, between 12/13/09 and 12/21/09, and between 9/19/10 and 9/26/10
Tanks VT-621 & VT-622: between 10/1/90 and 10/18/09, between 11/15/09 and 11/23/09, between 12/13/09 and 12/21/09, and on 1/14/10

For each of the above tanks and dates, please state:

a. ***Did the Facility inspect the tank on a daily basis during those times?***

The facility did inspect the tanks on a daily basis during the referenced times. Upon further review of facility inspection records, inspection sheets were located for every specific event noted above. Copies of the inspection records are included as Attachment 7A.

b. If so, have records been found to verify such inspections? Please submit copies of such documentation if available.

Copies of the inspection records were located and are included as Attachment 7A.

c. If not, please state the reason(s) why inspections were not completed for each of the dates listed.

Not applicable.

8. Regarding the Facility's "VT-132 Hazardous Waste Tank Log Sheet," the log for 6/13/08 states that the "Ending Level" of HW in this tank was five feet. It further includes the remarks: "Removed liquid – Clean Harbor will remove heel." On 3/12/09 another log then states that the Ending Level is five feet eleven inches, with the remark "OOS for sludge removal." The next two logs, for 2/16/10 and 5/4/10, give the Ending Level as 2.5 (no units) with the remarks: "Varec broke" and "Tank MT." Finally, the last log included, for 7/26/10, states that the tank is empty. Regarding this tank please provide the following:

a. Has tank VT-132 been closed? If so, please state the date of closure and submit all relevant documentation of work completed showing the tank has been closed in accordance with 40 C.F.R. § 265.197.

Tank VT-132 is not closed. The tank was completely emptied and cleaned on two non-consecutive days of field work. Clean Harbors Environmental Services began cleaning the tank on February 25, 2009 and completed the cleaning on March 30, 2009. The tank is currently empty, locked out, and has not been utilized for the storage of waste since it was cleaned. The vessel continues to be inspected and maintained as required by applicable tank regulations and can be put into service at any time. Copies of the Clean Harbors' field services work sheets for the February 25 and March 30 cleaning events are included as Attachment 8A.

b. What specifically was done to the tank between the dates of 3/12/09 and 2/16/10 to change its recorded Ending Level from 5'11" to 2.5? Please include the date(s) work was conducted and a specific description of the work. For any material removed from the tank please provide the following:

On March 30, 2009, the 5' 11" of material remaining in the tank was pumped out and sent offsite as hazardous waste. All wash water associated with the tank cleaning was also collected and sent offsite for disposal.

The 2/16/10 entry on the tank inspection log sheet notes "Varec broke" which is a reference to the Verec © liquid level meter. During the tank cleaning, the meter was damaged and the default reading currently shows 25 feet (rather than "2.5" as noted in USEPA's question). Although the log sheet notes "25" as both the beginning level and the ending level because the faulty Verec © meter so indicated, the sheet also notes "Tank MT" (empty) in the comments section. As noted in our response to 8.a above, the tank remains empty and ready for service.

i. A detailed description of its source

The tank was previously utilized to collect phenol residue sludge; this waste material is generated during the manufacturing of phenol.

ii. Its date of generation

The tank has been empty since March 30, 2009.

iii. State whether a "waste determination" and "LDR determination" has been made for the material

The material that was previously in the tank was composed of distillation bottom tars from the production of phenol and acetone from cumene. By definition, that material was a hazardous waste and an LDR was required.

iv. If a "waste determination" and "LDR determination" has been made, state when such a determination(s) was made and the results of such determination(s)

This material has been designated a hazardous waste since the onset of the USEPA RCRA program. The exact date is not available.

v. If the material has been determined to be "hazardous waste," please state the specific EPA Hazardous Waste Code(s) associated with each such hazardous waste. If they have been determined not to be hazardous waste, explain the reasons for such determination.

Hazardous waste stored in tank VT-132 carries the primary hazardous waste code K022.

vi. ***State whether any hazardous waste determination made for such waste was based on the generator's knowledge of the process that generated the waste, or upon analytic results. If a determination was made on the basis of process knowledge, describe in detail the scientific rationale for such a determination. If the determination was based on analytical results, describe the sampling procedures and provide copies of any and all such results.***

The hazardous waste determination for Phenol Residue Liquids is based on process / generator knowledge, insomuch as the waste is from a specific RCRA listed source and carries a "K" code.

vii. ***Please state if the material has been shipped off-site and the date of such shipment(s). If the material has not been shipped off-site, state its current location and explain why it has not been shipped off-site.***

Phenol residue contained in VT-132 was last shipped offsite on March 30, 2009 as part of the tank cleaning process. Normally material from this tank is pumped into VT-621 or VT-622 for feeding the material as a fuel into our onsite boilers. Two individual bulk shipments were sent on the same day. This includes the actual residue from the tank as well as all the wash water from cleaning the tank. Copies of the two respective manifests are included as Attachment 8B.

viii. ***If the material was shipped off-site, provide copies of all bills of lading, manifests (including but not limited to hazardous waste manifests), shipping invoices, and LDR notices and certifications that accompanied and/or refer to each off-site shipment of this waste.***

Copies of the respective manifests and LDR forms are included as Attachment 8B.

c. ***Was any other material removed from the tank subsequent to 2/16/10? If so, please state the date(s) of such removal and for each removal activity please answer each of the above questions in 8.b.i.-viii. referring to the material removed.***

See above responses. No material has been introduced to VT-132 since 3/30/09; it has remained empty since 3/30/09.

9. ***Regarding the Facility's "VT-602 Hazardous Waste Tank Log Sheet," the log for 1/31/09 states that the "Ending Level" of HW in this tank was nine inches. The next log on 6/19/09 states that the Ending Level is zero. Regarding this tank please provide the following:***

a. ***Has tank VT-602 been closed? If so, please state the date of closure and submit all relevant documentation of work completed showing the tank has been closed in accordance with 40 C.F.R. § 265.197.***

VT-602 is actively in use.

b. ***What specifically was done to the tank between the dates of 1/31/09 and 6/19/09 to change its recorded Ending Level from nine inches to zero? Please include the date(s) work was conducted and a specific description of the work. For any material removed from the tank please provide the following:***

There was no specific work done to this tank between 1/31/09 and 6/19/09. Tank VT-602 is equipped with a liquid-level transmitter that automatically records the tank level to the site's data management system. A review of the DMS data shows that the tank was pumped down on January 31, 2009 from 1.9' to 0.9'. On April 1, 2009, the tank was pumped from 1.2' to 0.0' and on June 19, 2001, it was pumped from 1.9' to 0.0'. The April 1, 2009 transfer was not manually recorded on the VT-602 log sheet.

We do not know why the tank was not pumped to 0.0' during the January 31, 2009 transfer. However, it is believed that the tank may have contained oil and a small amount of separate-phase water. Under such circumstances, the operator would likely pump out the oil and leave the "heel", which contains primarily water.

i. ***A detailed description of its source***

Under normal operating conditions, groundwater and light non-aqueous phase liquid (LNAPL) are recovered from the site's active pumping wells and directed to tank VT-601. VT-601 is a decanting tank; water off the bottom of the tank is directed to the air stripper tower. The impacted water is <u>not</u> classified as a hazardous waste. The recovered oil rises to the top of VT-601 and gravity drains to VT-602. The recovered oil <u>is</u> classified as hazardous waste. When VT-602 is full – or every 90 days (which ever comes first), the recovered oil is pumped to VT-621 / VT-622. These two tanks contain waste phenol residue used as a fuel for boilers BL-701 and BL-702. The recovered LNAPL mixes with the phenol residue and is ultimately destroyed in the onsite boilers. These activities are specifically permitted in the site's Part B permit.

ii. ***Its date of generation***

The rate at which waste is generated and introduced to this tank is highly variable. Generation is relative to several factors including rain fall, water table elevation, and operations of the pumping wells. Accordingly, a quantitative date of generation cannot

be determined with specificity. To ensure compliance with storage time limits, the tank is emptied on approximately a 60 to 80-day basis.

iii. State whether a "waste determination" and "LDR determination" has been made for the material

Under normal operating conditions, waste is not removed from this tank for off-site disposal. Recovered oil is burned in the facility's hazardous waste-fired boilers. A relatively insignificant volume of water that may accumulate in the tank is sent to VT601 and eventually treated in the air stripper column. The facility's Part B permit specifically allows for the destruction of recovered oil in waste-fire boilers.

iv. If a "waste determination" and "LDR determination" has been made, state when such a determination(s) was made and the results of such determination(s)

Waste from this tank is not sent offsite; there is no specific LDR determination.

iv. If the material has been determined to be "hazardous waste," please state the specific EPA Hazardous Waste Code(s) associated with each such hazardous waste. If they have been determined not to be hazardous waste, explain the reasons for such determination.

The material in this tank is an indefinable combination of oils and LNAPL recovered from the onsite groundwater wells. The LNAPL is coded as D001 (flammability).

vi. State whether any hazardous waste determination made for such waste was based on the generator's knowledge of the process that generated the waste, or upon analytic results. If a determination was made on the basis of process knowledge, describe in detail the scientific rationale for such a determination. If the determination was based on analytical results, describe the sampling procedures and provide copies of any and all such results.

The determination that the material will flash was likely based on historical quantitative analysis. This analysis was first completed over 20 years ago; exact lab data is not readily available

vii. Please state if the material has been shipped off-site and the date of such shipment(s). If the material has not been shipped off-site, state its current location and explain why it has not been shipped off-site.

Under normal operating conditions, this material is not shipped off site for disposal. The material is ultimately destroyed in the onsite boilers BL-701 and BL-702.

viii. ***If the material was shipped off-site, provide copies of all bills of lading, manifests (including but not limited to hazardous waste manifests), shipping invoices, and LDR notices and certifications that accompanied and/or refer to each off-site shipment of this waste.***

Not applicable.

10. ***At the time of EPA's inspection, did the Facility maintain a written job description for each of the positions related to hazardous waste management, which includes the requisite skill, education, or other qualifications, and duties of Facility personnel assigned to each position? If so, please provide a copy of the job descriptions being maintained at the time of the inspection. If a list of job descriptions was not maintained at the time of the inspection, provide a copy of any such list created since the inspection, identifying the date on which such list was compiled.***

Sunoco is currently researching the request for additional information. In June 2, 2011 phone and email communications between Paul Persing of this facility, and Martin Matlin of USEPA, Mr. Matlin agreed to an extension to provide select information. Sunoco will provide a complete response to this issue by July 15, 2011.

I certify that the information contained in this response to EPA's request for information and the accompanying documents is true, accurate and complete. As to the identified portions of this response for which I cannot personally verify their accuracy, I certify under penalty of law that this response and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature: William Rodebaugh
Name: WILLIAM RODEBAUGH
Title: OPERATIONS MANAGER

If you have any questions concerning this matter, please contact Paul Persing at (215) 807-8453.

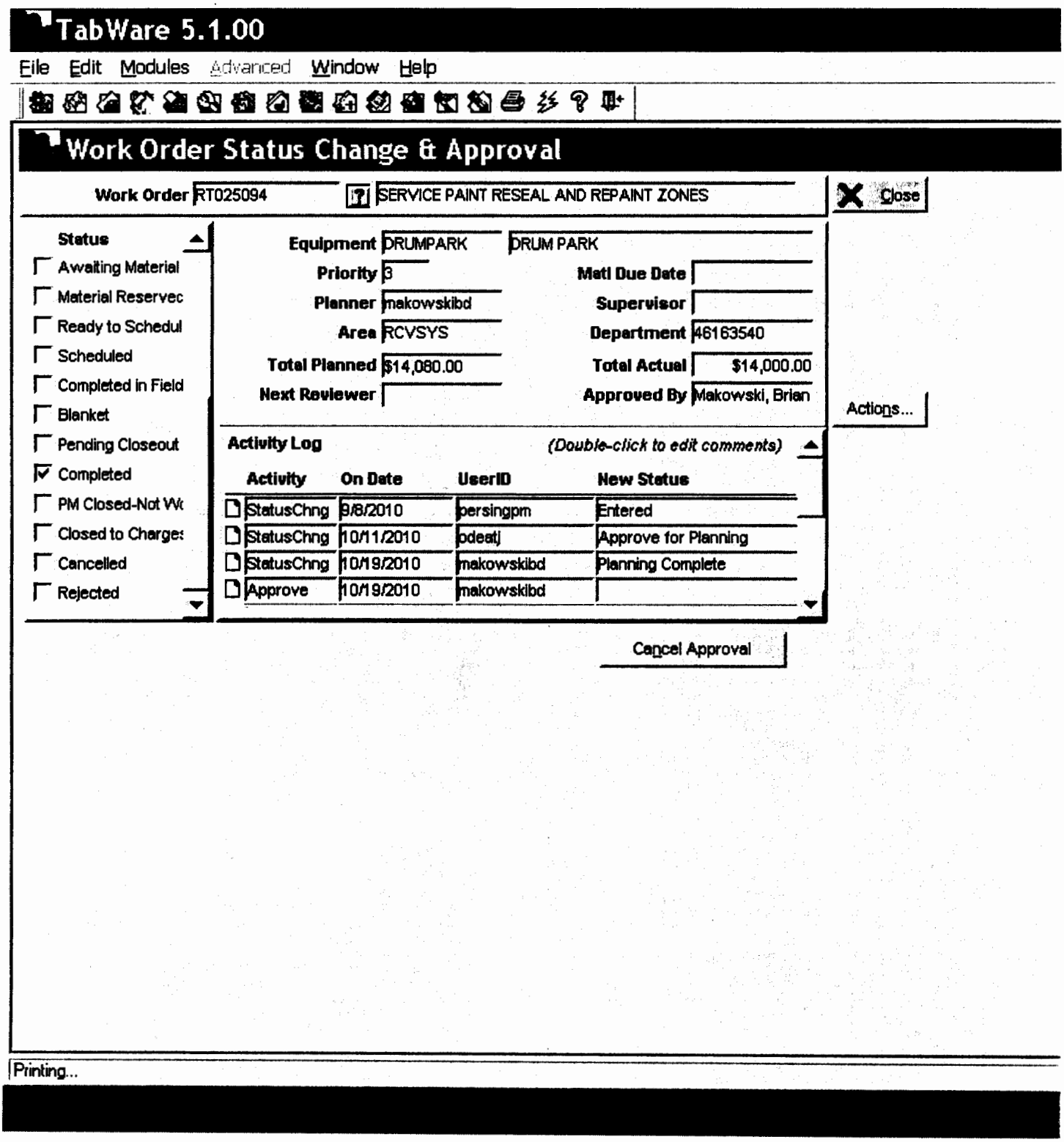
Sincerely,

William Rodebaugh

William Rodebaugh
Operations Manager

Attachments

Attachment 1A
Work Order for Recoating of Waste Pad


TabWare 5.1.00
File Edit Modules Advanced Window Help
Work Order Status Change & Approval
Work Order RT025094
SERVICE PAINT RESEAL AND REPAINT ZONES
Close
Status
Awaiting Material
Material Reservec
Ready to Schedul
Scheduled
Completed in Field
Blanket
Pending Closeout
Completed
PM Closed-Not W
Closed to Charge
Cancelled
Rejected
Equipment DRUMPARK DRUM PARK
Priority 3
Matl Due Date
Planner makowskibd
Supervisor
Area RCVSYS
Department 46163540
Total Planned $14,080.00
Total Actual $14,000.00
Next Reviewer
Approved By Makowski, Brian
Actions...
Activity Log
(Double-click to edit comments)
Activity On Date UserID New Status
StatusChng 9/8/2010 persingpm Entered
StatusChng 10/11/2010 pdeatj Approve for Planning
StatusChng 10/19/2010 makowskibd Planning Complete
Approve 10/19/2010 makowskibd
Cancel Approval
Printing...

Attachment 1B
Purchase Order for Recoating of Waste Pad and Final Vendor Invoice

Requisition RT025094

Delivery: 1 **Area:** STORES **Date:** **Time:** **Deliver To:** Makowski, Brian D

Line	Item	Item Type	Requested Quantity	Unit of Measure	Unit Cost	Extended Cost	Outside Purchase	Optional
1	RT025094-01	Service	1	NE	14,000.00	14,000.00	☑	☐

Description: SERVICE PAINT-RESURFACE SEAL DRUM PARK
CONTRACTOR TO PROVIDE THE FOLLOWING:
1.LABOR
2.SUPERVISION
3.EQUIPMENT
4.MATERIAL
5.TOOLS
TO :
SERVICE PAINT-BLAST CLEAN, RESURFACE AND SEAL DRUM PARK

Date Required from Supplier: **Purchase Order:** FKS0006668-0000 **Line:** 1

Recommended
Supplier: SERPAI00
SERVICE PAINTING INC
Manufacturer:
Part Number: **No Substitutes:** ☐

Requester: makowskibd
Approved By: makowskibd
Buyer:

Charges

Work Order	Account	Area	Department	Amount
RT025094	5102321	RCVSYS	46163540	14,000.00

Requisition: RT025094 **Total Extended Cost: 14,000.00**

- NICK GARAVELIS -
- 610-226-5011 -

SERVICE PAINTING, INC.

P.O. Box 433 • Marcus Hook, PA 19061 • Tel: 610.497.4700 • Fax: 610.497.0723

INVOICE

DATE: 11/11/10 **INVOICE NO.:** 11618-1S-01

TERMS: NET 30 DAYS **Contract #** FKS0006668-0000 000

COMPANY: **Sunoco, Inc. (R&M)**
Frankford Plant
Margaret & Bermuda Sts
Philadelphia, PA 19137

FIELD ENGINEER: **Brian Makowski**

RE: **Furnished Labor, Materials, Equipment, Etc., to Complete Work On:**
Drum Lay Down Area:

Contract Amount:	**$**	**14,000.00**
Completed to date 100%	**$**	**14,000.00**
Amount Due This Invoice:	**$**	**14,000.00**

Approved BD Makowski 12-14-2010

Payment Beyond Terms Shown Are Subject to L.P.S.C. of 1 1/2% Per Month

Attachment 1C
Cut Sheet for Sherman Williams COR-COTE ®
VEN GF (Waste Storage Pad Surface Coating)

Protective & Marine Coatings

COR-COTE® VEN GF

GRAPHITE FILLED VINYL ESTER

PART A B88A30 CHARCOAL GRAY
PART B B88R99 RED CHP - CUMENE HYDROGEN PEROXIDE (CATALYST)
PART B B88V99 CLEAR CHP - CUMENE HYDROGEN PEROXIDE (CATALYST)
970C949 WAX SOLUTION

PRODUCT INFORMATION

TRM 49

RECOMMENDED SYSTEMS

		Dry Film Thickness / ct. Mils	(Microns)
Steel (coating, lining):			
Medium Film Lining			
1 ct.	Corobond Vinyl Ester Primer	2.0-3.0	(50-75)
1 ct.	Poly-Glass Putty as required for filling pits and transitioning sharp edges, weld seams, etc.		
1 ct.	Cor-Cote VEN GF	15.0-20.0	(375-500)
1 ct.	Cor-Cote VEN GF with Wax Solution	15.0-20.0	(375-500)
Concrete (lining, containment, flooring):			
Medium Film Lining			
1 ct.	Corobond Vinyl Ester Primer	3.5-4.5	(88-112)
1 ct.	Poly-Glass Putty as required for filling voids and bugholes to provide a continuous substrate		
1 ct.	Cor-Cote VEN GF	15.0-20.0	(375-500)
1 ct.	Cor-Cote VEN GF with Wax Solution	15.0-20.0	(375-500)
Concrete (conductive lining, containment, flooring):			
Medium Film Lining			
1 ct.	Corobond ConductiveVinyl Ester Primer	3.5-4.5	(88-112)
1 ct.	Poly-Glass Putty as required for filling voids and bugholes to provide a continuous substrate		
1 ct.	Cor-Cote VEN GF	15.0-20.0	(375-500)
1 ct.	Cor-Cote VEN GF with Wax Solution	15.0-20.0	(375-500)

The systems listed above are representative of the product's use, other systems may be appropriate.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Iron & Steel:
- Atmospheric: SSPC-SP6/NACE 3, 2 mil (50 micron) profile
- Immersion: SSPC-SP10/NACE 2, 2-3 mil (50-75 micron) profile

Concrete & Masonry:
- Atmospheric: SSPC-SP13/NACE 6, or ICRI No. 310.2, CSP 3-5
- Immersion: SSPC-SP13/NACE 6-4.3.1 or 4.3.2or ICRI No. 310.2, CSP 3-5

Surface Preparation Standards

	Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal		Sa 3	Sa 3	SP 5	1
Near White Metal		Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast		Sa 2	Sa 2	SP 6	3
Brush Off Blast		Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	Pusted	C St 2	C St 2	SP 2	
	Pitted & Pusted	D St 2	D St 2	SP 2	
Power Tool Cleaning	Pusted	C St 3	C St 3	SP 3	
	Pitted & Pusted	D St 3	D St 3	SP 3	

TINTING

Do not tint.

APPLICATION CONDITIONS

Temperature: 50°F (10°C) minimum, 90°F (32°C) maximum (air, surface, material). At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

ORDERING INFORMATION

Packaging:
- Part A: 1 gallon (3.78L) and 5 gallons (18.9L)
- Part B: 1 gallon (3.78L)

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data information and Application Bulletin.

Protective & Marine Coatings

COR-COTE® VEN GF
GRAPHITE FILLED VINYL ESTER

PART A	B88A30	CHARCOAL GRAY
PART B	B88R99	RED CHP - CUMENE HYDROGEN PEROXIDE (CATALYST)
PART B	B88V99	CLEAR CHP - CUMENE HYDROGEN PEROXIDE (CATALYST)
	970C949	WAX SOLUTION

Revised 11/10

APPLICATION BULLETIN

TRM.49

SURFACE PREPARATIONS

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Iron & Steel (immersion service)
Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Remove all weld spatter and round all sharp edges. Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Iron & Steel (atmospheric service)
Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3. For better performance, use Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Concrete and Masonry
For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2, CSP 3-5. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with Steel-Seam FT910. Primer required.
If surface deterioration presents an unacceptably rough surface, prime with Corobond Vinyl Ester Primer. Patch and resurface with Poly-Glass Putty.
Fill all cracks, voids and bugholes with Poly-Glass Putty (over Corobond Vinyl Ester Primer).

Follow the standard methods listed below when applicable:
ASTM D4258 Standard Practice for Cleaning Concrete.
ASTM D4259 Standard Practice for Abrading Concrete.
ASTM D4260 Standard Practice for Etching Concrete.
ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete.
SSPC-SP 13/Nace 6 Surface Preparation of Concrete.
ICRI No. 310.2 Concrete Surface Preparation.

Concrete, Immersion Service:
For surface preparation, refer to SSPC-SP13/NACE 6, Section 4.3.1 or 1.3.2 or ICRI No. 310.2, CSP 3-5.

Surface Preparation Standards

	Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal		Sa 3	Sa 3	SP 5	1
Near White Metal		Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast		Sa 2	Sa 2	SP 6	3
Brush-Off Blast		Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	Rusted	C St 2	C St 2	SP 2	-
	Pitted & Rusted	D St 2	D St 2	SP 2	-
Power Tool Cleaning	Rusted	C St 3	C St 3	SP 3	-
	Pitted & Rusted	D St 3	D St 3	SP 3	-

APPLICATION CONDITIONS

Temperature:	50°F (10°C) minimum, 90°F (32°C) maximum (air, surface, material) At least 5°F (2.8°C) above dew point
Relative humidity:	85% maximum

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reduction ..... Not recommended

Cleanup ..... MEK, R6K10

Catalyst Injection Spray:

Pump	Catalyst injection (external mixing)
Pump Ratio	30:1 with catalyst pump
Gun	Polycraft or equivalent
Fluid Hose	3/8" - 1/2" I.D.
Tip Orifice	.035" - .045"
Fan Width	40 degrees
Fluid Pressure	2000 - 3000 psi
Filter Screen	Filters must be removed

Brush:
Brush ..... Natural bristle for applications in small areas

Roller:
Cover ..... 3/8" nap for coatings

Squeegee:
Squeegee ..... For horizontal applications followed by back roll with medium nap roller

If specific application equipment is not listed above, equivalent equipment may be substituted.

continued on back

Protective & Marine Coatings

COR-COTE® VEN GF

GRAPHITE FILLED VINYL ESTER

PART A	B88A30	CHARCOAL GRAY
PART B	B88R99	RED CHP - CUMENE HYDROGEN PEROXIDE (CATALYST)
PART B	B88V99	CLEAR CHP - CUMENE HYDROGEN PEROXIDE (CATALYST)
	970C949	WAX SOLUTION

APPLICATION BULLETIN

TRM.49

APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

For detailed installation instructions, refer to the Installation Procedures for the respective system type in the ControlTech Technical Resource Manual.

Mixing Instructions: Premix Part A component separately, using a low-speed drill and Jiffy Blade model ES mixer. Make certain no pigment or graphite flake remains on the bottom or sides of the can. Use CHP catalyst at the rate of 2.0 - 4.0 fluid oz. per gallon (3.78L) of Part A, depending on environmental conditions. Mix with low-speed drill and Jiffy Blade model ES mixer for three minutes and until uniform.

For topcoat only:
Add 970-C-949 Wax Solution at the rate of 3 - 4 oz per gallon (3.78L) of Part A to obtain a completely tack free surface. Add wax solution before adding catalyst. If wax solution is cloudy, it will clear with gentle warming. DO NOT USE FLAME TO HEAT THE WAX SOLUTION.

Apply paint at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	**20.0** (500)	**25.0** (625)
Dry mils (microns)	**15.0** (375)	**20.0** (500)
~Coverage sq ft/gal (m^2/L)	**64** (1.6)	**80** (2.0)
Theoretical coverage sq ft/gal (m^2/L) @ 1 mil / 25 microns dft	**1600** (39.2)	

Drying Schedule @ 20.0 mils wet (500 microns):

	@ 60°F/16°C	@ 73°F/23°C *50% RH*	@ 90°F/32°C
To touch:	16 hours	6 hours	3 hours
To recoat:			
minimum:	12 hours	3 hours	2 hours
maximum*:	4 days	72 hours	48 hours
To cure:	48 hours	24 hours	16 hours

*If uncertain, test by rubbing surface with styrene. If surface does not become tacky, surface must be lightly blasted or sanded prior to recoating.

If maximum recoat time is exceeded, abrade surface before recoating.

Drying time is temperature, humidity, and film thickness dependent.

Pot Life:	30-60 minutes
Sweat-in-time:	Not required

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with MEK, R6K10. Clean tools immediately after use with MEK, R6K10. Follow manufacturer's safety recommendations when using any solvent.

DISCLAIMER

PERFORMANCE TIPS

For concrete, always perform Calcium Chloride test as per ASTM F1869. Do not proceed with MVE >3 lbs.

For steel, stripe coat all chine, welds, bolted connections, and sharp angles to prevent early failure in these areas.

Pot life of this material is short. Working time can be extended by mixing small batches and by getting material out of mixing containers and on to the working surface in desired film thickness as quickly as possible.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

For immersion applications: Holiday test prior to application of Cor-Cote VEN GF in accordance with ASTM D5162 for steel or ASTM D4787 for concrete. Cor-Cote VEN GF is conductive and can not be spark tested. Set voltage in accordance with the manufacturer's recommendation. Repair holidays found prior to application of final coat.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with MEK, R6K10.

Store in a temperature controlled environment, 50°F (10°C) to 80°F (26°C), and out of direct sunlight. Keep resins, catalysts, and solvents separated from each other and away from sources of ignition.

Do not apply material beyond recommended pot life.

Do no mix previously catalyzed material with new.

Consult your Sherwin-Williams representative for specific application and performance recommendations.

Refer to Product Information sheet for additional performance characteristics and properties.

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

MATERIAL SAFETY DATA SHEET

B88A30
06 00

DATE OF PREPARATION
May 1, 2011

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER
B88A30

PRODUCT NAME
COR-COTE® VEN GF - Graphite Filled Vinyl Ester, Charcoal Gray

MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, OH 44115

Telephone Numbers and Websites

Product Information	www.sherwin-williams.com
Regulatory Information	(216) 566-2902 www.paintdocs.com
Medical Emergency	(216) 566-2917
Transportation Emergency*	(800) 424-9300
**for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)*	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
33	100-42-5	**Styrene**		
				(Styrene polymerizes when catalyzed)
		ACGIH TLV	20 PPM	4.3 mm
		ACGIH TLV	40 PPM STEL	
		OSHA PEL	100 PPM	
		OSHA PEL	215 PPM CEILING	
3	79-41-4	**Methacrylic Acid**		
		ACGIH TLV	Not Available	1 mm
		OSHA PEL	Not Available	
2	7631-86-9	**Amorphous Silica**		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	6 mg/m3 as Dust	
4	13463-67-7	**Titanium Dioxide**		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	
21	7782-42-5	**Graphite**		
		ACGIH TLV	2 MG/M3	
		OSHA PEL	2.5 MG/M3	

SECTION 3 — HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE
INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE
EYES: Irritation
SKIN: Prolonged or repeated exposure may cause irritation.
INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE
Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.

HMIS Codes

Health	3*
Flammability	2
Reactivity	2

B88A30

CANCER INFORMATION
For complete discussion of toxicology data refer to Section 11.

SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL	FLAMMABILITY CLASSIFICATION
130 °F PMCC	1.1	6.1	Combustible, Flash above 99 and below 200 °F

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam.
UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers may explode when exposed to extreme heat.
Application to hot surfaces requires special precautions.
During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.
SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used.
Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE

STORAGE CATEGORY
DOL Storage Class II
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Contents are COMBUSTIBLE. Keep away from heat and open flame.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation.
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.
Wash hands after using.
This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are: ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).
VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.
RESPIRATORY PROTECTION
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.
When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.
PROTECTIVE GLOVES
Wear gloves which are recommended by glove supplier for protection against materials in Section 2.
EYE PROTECTION
Wear safety spectacles with unperforated sideshields.
OTHER PRECAUTIONS
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

B88A30

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	10.22 lb/gal	1224 g/l
SPECIFIC GRAVITY	1.23	
BOILING POINT	293 - 320 °F	145 - 160 °C
MELTING POINT	Not Available	
VOLATILE VOLUME	47%	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	

SECTION 10 — STABILITY AND REACTIVITY

STABILITY — Stable

CONDITIONS TO AVOID

Elevated temperature

INCOMPATIBILITY

Contamination with polymerization catalysts such as peroxides and strong acids. Do not put any catalyzed product back into the can of uncatalyzed product

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Styrene is listed by IARC as a possible human carcinogen based on "inadequate evidence" in humans, "limited evidence" in animals, and the fact that it is metabolized to styrene oxide, which has been shown to induce cancer in animals. However, studies of humans exposed for long periods of time to styrene have not demonstrated any carcinogenic effect.

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

TOXICOLOGY DATA

CAS No.	Ingredient Name			
100-42-5	Styrene			
		LC50 RAT	4HR	Not Available
		LD50 RAT		5000 mg/kg
79-41-4	Methacrylic Acid			
		LC50 RAT	4HR	Not Available
		LD50 RAT		2200. mg/kg
7631-86-9	Amorphous Silica			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
13463-67-7	Titanium Dioxide			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
7782-42-5	Graphite			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

SECTION 12 — ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

US Ground (DOT)

May be Classed as a Combustible Liquid for U.S. Ground.
UN1263, PAINT, 3, PG III, (ERG#128)

DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities

Styrene monomer 1000 lb RQ

Bulk Containers may be Shipped as (check reportable quantities):

UN1263, PAINT, COMBUSTIBLE LIQUID, PG III, (ERG#128)

Canada (TDG)

May be Classed as a Combustible Liquid for Canadian Ground.
UN1263, PAINT, CLASS 3, PG III, (ERG#128)

IMO

5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity.
UN1263, PAINT, CLASS 3, PG III, (54 C c.c.), EmS F-E, S-E, ADR (D/E)

IATA/ICAO

UN1263, PAINT, 3, PG III

SECTION 15 — REGULATORY INFORMATION

SARA 313 *(40 CFR 372.65C)* SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
100-42-5	Styrene	33	

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Attachment 3A
Photo of Metal Safety Can Used for Waste Collection


JUSTRITE
Six Gallon
Oily Waste Ca
23 litros
Contenedor De
Desperdicios Aceitosos
OTICE
ALL SPENT
ENOL GC VIALS
THIS CONTAINER AT
E OF GENERATION
09110
09100
Manufacturing Co., L.L.C., Mattoon, IL 61938
FULLY COMPLIANT MEETS OSHA/NFPA FULLY TESTED
UL
FM APPROVED
For temporary containment of oil or solvent soaked rags
Para la contención temporal de aceite o trapos impregnado con solvente
With or without convenient foot pedal
Con o sin palanca conveniente para el pie
Elevated bottom for improved heat dispersion
Fondo elevado para mejorar la disipación del calor
Self-closing cover
Tapa que cierra sola
Chemical/corrosion resistant powdercoat finish
Acabado de polvo resistente a los químicos/corrosión
Part Number
Número de pieza
091

Attachment 3B
Photo Showing Capacity of Five-Gallon Plastic Cans

Attachment 3C
Profiles for "Spent GC Vials" and "Spent Phenol GC Vials"

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. L339743

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***PAD002312791*** GENERATOR NAME: ***Sunoco Inc***

GENERATOR CODE (Assigned by Clean Harbors) ***SU0285*** CITY ***Philadelphia*** STATE/PROVINCE ***PA*** ZIP/POSTAL CODE ***19137***

ADDRESS ***Margaret and Bermuda Street*** PHONE: **(215) 807-8442**

CUSTOMER CODE (Assigned by Clean Harbors) ***SU0285*** CUSTOMER NAME: ***Sunoco Inc***

ADDRESS ***Margaret and Bermuda Street*** CITY ***Philadelphia*** STATE/PROVINCE ***PA*** ZIP/POSTAL CODE ***19137***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Spent GC vials***

PROCESS GENERATING WASTE: **Lab analysis**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE

- SOLID WITHOUT FREE LIQUID
- POWDER
- MONOLITHIC SOLID
- LIQUID WITH NO SOLIDS
- [x] LIQUID/SOLID MIXTURE
  - % FREE LIQUID ***0.00 - 25.00***
  - % SETTLED SOLID ***0.00 - 75.00***
  - % TOTAL SUSPENDED SOLID
- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 [x] 2 3

% BY VOLUME (Approx.)

TOP ***25.00***

MIDDLE ***0.00***

BOTTOM ***75.00***

VISCOSITY (If liquid present)

- [x] 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR

Varies

ODOR

- NONE
- [x] MILD
- STRONG

Describe:

BOILING POINT °F (°C)

- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- [x] >= 130 (>54)

MELTING POINT °F (°C)

- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON

- <= 1%
- 1-9%
- [x] >= 10%

FLASH POINT °F (°C)

- < 73 (<23)
- 73 - 100 (23-38)
- [x] 101 -140 (38-60)
- 141 -200 (60-93)
- > 200 (>93)

pH

- <= 2
- 2.1 - 6.9
- [x] 7 (Neutral)
- 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY

- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- [x] 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- > 1.2 (e.g. Methylene Chloride)

ASH

- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)

- < 2,000 (<4.6)
- [x] 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
ACETONE	0.0000000	--	15.0000000	%
ALPHA-METHYL STYRENE	0.0000000	--	15.0000000	%
CUMENE	0.0000000	--	15.0000000	%
GLASS VIALS	50.0000000	--	75.0000000	%
METAL CAPS	0.0000000	--	10.0000000	%
PLASTIC	0.0000000	--	5.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [x] NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G22*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W409***

E. CONSTITUENTS

Are these values based on testing or knowledge? [✓] Knowledge [ ] Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

Lab analysis

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				[✓]
D005	BARIUM	100.0				[ ]
D006	CADMIUM	1.0				[ ]
D007	CHROMIUM	5.0				[✓]
D008	LEAD	5.0				[ ]
D009	MERCURY	0.2				[✓]
D010	SELENIUM	1.0				[✓]
D011	SILVER	5.0				[ ]
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			[ ]
CHLORINE			[✓]
FLUORINE			[✓]
IODINE			[✓]
SULFUR			[✓]
POTASSIUM			[✓]
SODIUM			[✓]
AMMONIA			[ ]
CYANIDE AMENABLE			[✓]
CYANIDE REACTIVE			[✓]
CYANIDE TOTAL			[ ]
SULFIDE REACTIVE			[✓]

HOCs

[✓] NONE
[ ] < 1000 PPM
[ ] >= 1000 PPM

PCBs

[✓] NONE
[ ] < 50 PPM
[ ] >=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES [ ] NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES [✓] NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCE	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	[✓] NONE OF THE ABOVE

F. REGULATORY STATUS

- [x] YES [ ] NO USEPA HAZARDOUS WASTE?
  D001 U002 U055
- [ ] YES [x] NO DO ANY STATE WASTE CODES APPLY?
  Texas Waste Code ***OUTS409H***
- [ ] YES [x] NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?
- [x] YES [ ] NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
  LDR CATEGORY: ***This is subject to LDR.***
  VARIANCE INFO:
- [ ] YES [x] NO IS THIS A UNIVERSAL WASTE?
- [ ] YES [ ] NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG)?
- [ ] YES [ ] NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?
- [ ] YES [x] NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
- [ ] YES [ ] NO IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?
- [x] YES [ ] NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
- [x] YES [ ] NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
- [ ] YES [x] NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 77 KPA (11.2 PSIA)?
- [ ] YES [ ] NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?
- [ ] YES [ ] NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?
  Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)
- [ ] YES [x] NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?
  - YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?
  - YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

  What is the TAB quantity for your facility? _____ Megagram/year (1 Mg = 2,200 lbs)

  The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

  Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S., (ACETONE, PHENOL), 3, PG II, (GC VIALS)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY [x] QUARTERLY YEARLY OTHER ***Other***

[x] **CONTAINERIZED**

5-10 CONTAINERS/SHIPMENT

STORAGE CAPACITY:

CONTAINER TYPE:

CUBIC YARD BOX PALLET

TOTE TANK [ ] DRUM

OTHER:

DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
masweitzer@sunocoinc.com			

This waste profile has been submitted using Clean Harbors' electronic signature system.

*40 CFR Sec. 264.12 required notice:

As required by Federal Resource Conservation and Recovery Act regulations found in 40 CFR Part 264.12(b) and all equivalent State hazardous waste regulations, notice is hereby provided that all Clean Harbors facilities that may be used to treat, store, and /or dispose of the hazardous waste described on this waste profile have the appropriate permits and the capacity to manage these wastes.

Please note this profile must be submitted for re-evaluation if there has been a change in the waste generating process or when there have been changes in the chemical composition or physical characteristics of the material.

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. L339744

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***PAD002312791*** GENERATOR NAME: ***Sunoco Inc***

GENERATOR CODE (Assigned by Clean Harbors) ***SU0285*** CITY ***Philadelphia*** STATE/PROVINCE ***PA*** ZIP/POSTAL CODE ***19137***

ADDRESS ***Margaret and Bermuda Street*** PHONE: **(215) 807-8442**

CUSTOMER CODE (Assigned by Clean Harbors) ***SU0285*** CUSTOMER NAME: ***Sunoco Inc***

ADDRESS ***Margaret and Bermuda Street*** CITY ***Philadelphia*** STATE/PROVINCE ***PA*** ZIP/POSTAL CODE ***19137***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Spent phenol GC vials***

PROCESS GENERATING WASTE: **Lab analysis**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- [x] SOLID WITHOUT FREE LIQUID
- [ ] POWDER
- [ ] MONOLITHIC SOLID
- [ ] LIQUID WITH NO SOLIDS
- [ ] LIQUID/SOLID MIXTURE
  - [ ] % FREE LIQUID
  - [ ] % SETTLED SOLID
  - [ ] % TOTAL SUSPENDED SOLID
- [ ] SLUDGE
- [ ] GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 2 3 % BY VOLUME (Approx.)

TOP ***0.00***
MIDDLE ***0.00***
BOTTOM ***0.00***

VISCOSITY (If liquid present)
- 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR ***Varies***

ODOR
- [ ] NONE
- [x] MILD
- [ ] STRONG

Describe:

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- [ ] > 200 (>93)

TOTAL ORGANIC CARBON
- <= 1%
- 1-9%
- [x] >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- > 200 (>93)

pH
- <= 2
- 2.1 - 6.9
- [ ] 7 (Neutral)
- 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- [ ] > 1.2 (e.g. Methylene Chloride)

ASH
- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [ ] Unknown

BTU/LB (MJ/kg)
- < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- [x] 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
GLASS VIALS	70.0000000	--	80.0000000	%
METAL CAPS	0.0000000	--	10.0000000	%
PHENOL	1.0000000	--	10.0000000	%
PLASTIC	0.0000000	--	5.0000000	%
WATER	1.0000000	--	30.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [ ] NO [x]

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [ ] NO [x]

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [ ] NO [x]

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G22*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W409***

E. CONSTITUENTS

Are these values based on testing or knowledge? [✓] Knowledge [ ] Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

Lab analysis

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				[✓]
D005	BARIUM	100.0				[ ]
D006	CADMIUM	1.0				[ ]
D007	CHROMIUM	5.0				[✓]
D008	LEAD	5.0				[ ]
D009	MERCURY	0.2				[✓]
D010	SELENIUM	1.0				[✓]
D011	SILVER	5.0				[ ]
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			[ ]
CHLORINE			[✓]
FLUORINE			[✓]
IODINE			[✓]
SULFUR			[✓]
POTASSIUM			[✓]
SODIUM			[✓]
AMMONIA			[ ]
CYANIDE AMENABLE			[✓]
CYANIDE REACTIVE			[✓]
CYANIDE TOTAL			[ ]
SULFIDE REACTIVE			[✓]

HOCs

- [✓] NONE
- [ ] < 1000 PPM
- [ ] >= 1000 PPM

PCBs

- [✓] NONE
- [ ] < 50 PPM
- [ ] >=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES [ ] NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES [✓] NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCE	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	[✓] NONE OF THE ABOVE

F. REGULATORY STATUS

- [x] YES [ ] NO USEPA HAZARDOUS WASTE?
  U188
- [ ] YES [x] NO DO ANY STATE WASTE CODES APPLY?
  Texas Waste Code *outs219h*
- [ ] YES [x] NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?
- [x] YES [ ] NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
  LDR CATEGORY:
  VARIANCE INFO: *This is subject to LDR.*
- [ ] YES [x] NO IS THIS A UNIVERSAL WASTE?
- [ ] YES [ ] NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR (CESQG)?
- [ ] YES [ ] NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?
- [ ] YES [x] NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
- [ ] YES [ ] NO IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?
- [x] YES [ ] NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
- [ ] YES [x] NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
- [ ] YES [x] NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 77 KPA (11.2 PSIA)?
- [ ] YES [ ] NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?
- [ ] YES [ ] NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?
  Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)
- [ ] YES [x] NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?
  - YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?
  - YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

  What is the TAB quantity for your facility? _____ Megagram/year (1 Mg = 2,200 lbs)

  The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

  Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

UN2821, WASTE PHENOL SOLUTIONS, 6.1, PG II

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY [x] QUARTERLY YEARLY OTHER *Other*

CONTAINERIZED

5-10 CONTAINERS/SHIPMENT

STORAGE CAPACITY:

CONTAINER TYPE:

CUBIC YARD BOX PALLET

TOTE TANK [x] DRUM

OTHER:

DRUM SIZE: *55*

BULK LIQUID

GALLONS/SHIPMENT: *0 Min -0 Max* GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: *0 Min - 0 Max*

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
masweitzer@sunocoinc.com			

This waste profile has been submitted using Clean Harbors' electronic signature system.

*40 CFR Sec. 264.12 required notice:

As required by Federal Resource Conservation and Recovery Act regulations found in 40 CFR Part 264.12(b) and all equivalent State hazardous waste regulations, notice is hereby provided that all Clean Harbors facilities that may be used to treat, store, and /or dispose of the hazardous waste described on this waste profile have the appropriate permits and the capacity to manage these wastes.

Please note this profile must be submitted for re-evaluation if there has been a change in the waste generating process or when there have been changes in the chemical composition or physical characteristics of the material.

Attachment 3D
Three Years of Manifests Showing Disposal of "Spent GC Vials" and "Spent Phenol GC Vials"

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
			FLE

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. (SPENT GC VIALS) ERG 133					
X	2. (SPENT PHENOL GC VIALS) ERG 153					
X	3. ERG 151	57		13	5	
X	4. ERG 151					

14. Special Handling Instructions and Additional Information

SOLVENT VIALS
PHENOL VIALS

VT263 Resin
Phenol water tank sludge

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name — Signature — Month — Day — Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month — Day — Year

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number

24. Generator's Name

25. Transporter _____ Company Name: CleanHarbors Environmental Services — U.S. EPA ID Number: MAD039322250

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

32. Special Handling Instructions and Additional Information

GENERATOR

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: [illegible]

22. Page: [illegible]

23. Manifest Tracking Number: [illegible]

24. Generator's Name: [illegible]

25. Transporter 3 Company Name CleanHarbors Environmental Services — U.S. EPA ID Number MAD039322250

26. Transporter ______ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

32. Special Handling Instructions and Additional Information

GENERATOR

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
J. L. Williamson (agent for CHES)	[signature]	[illegible]	[illegible]	[illegible]

34. Transporter ______ Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number: FLE

5. Generator's Name and Mailing Address | Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name | U.S. EPA ID Number

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address | U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	7		2,580		
	2. (SPENT GC VIALS)	1		300		
	3.	34		15,590		
	4. (SPENT PHENOL GC VIALS)	1		300		

14. Special Handling Instructions and Additional Information

38669
L339744 1. PAH s/dge w. acetone 2. solvent vials 3. VT263 resin 4. phenol gc vials

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month 1 | Day 29 | Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number

22. Page

23. Manifest Tracking Number

GENERATOR

24. Generator's Name

25. Transporter _____ Company Name

U.S. EPA ID Number

26. Transporter _____ Company Name

U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

CleanHarbors
ENVIRONMENTAL SERVICES, INC.

Land Disposal Restriction Notification Form

Printed Date :Jan 28, 2009

MANIFEST INFORMATION

Generator : Sunoco Chemicals

Address: Margaret and Bermuda Street
Philadelphia,PA 19137

EPA ID #: P A D 0 0 2 3 1 2 7 9 1

Manifest Tracking Info.

002581251FLE

Sales Order No: 732210943

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	L37556A	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids
K022	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	L339743	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids
U002 U055	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	1	38669	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
U188	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	L339744	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
U188	NONE

CleanHarbors
ENVIRONMENTAL SERVICES, INC.

Land Disposal Restriction Notification Form

Printed Date :Jan 28, 2009

Certification	Applies to Manifest Line Items
Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.	1. 2. 3. 4.

Waste analysis data, where available, is attached.

Signature : Adrienne DeFelice Print Name Adrienne DeFelice

Title : Environmental Engineer Date : 1-29-09

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
PAD00[illegible]	1	(800)483-3718	[illegible] FLE

5. Generator's Name and Mailing Address
Sunoco Chemicals
Margaret and Bermuda Street
Philadelphia, PA 19137
Generator's Phone: (215)[illegible]

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: Clean Harbors Environmental Services Inc — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Harbors El Dorado LLC
309 American Circle
El Dorado, AR 71730
Facility's Phone: (870)863-7173
U.S. EPA ID Number: ARD069748192

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S., (ACETONE, PHENOL), 3, PG II (D001) (SPENT GC VIALS)	001	DM	00100	P	D001 U002 U055
X	2. RQ, UN3175, WASTE SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S., (ACETONE), 4.1, PG II (D001)	001	DM	00050	P	D001 U002
X	3. RQ, UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL, CHROME), 6.1, PG II (K022)	024	DM	12300	P	K022
X	4. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL), 6.1, PG II	~~0[illegible]~~ 034	DM	~~12[illegible]~~ 12274	P	U188

14. Special Handling Instructions and Additional Information
1. [illegible] [illegible]120 [illegible]55
2. [illegible] [illegible] [illegible]55
3. [illegible] [illegible] [illegible]5
4. [illegible] [illegible] 4 [illegible]

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Paul Persing	[signature]	3	5	09

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter Printed/Typed Name	Signature	Month	Day	Year
Transporter 1: WILLIAM MURPHY	[signature]	3	5	09
Transporter 2:				

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040	H040	H040	H040

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) [illegible] [illegible] Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	PAD002312191	2 of 2	002395090FLE

24. Generator's Name [illegible]

25. Transporter _______ Company Name | U.S. EPA ID Number

26. Transporter _______ Company Name | U.S. EPA ID Number

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	5. UN3244, SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL), 6.1, PG II	012	DM	02460	P	NONE		
X	6. UN3244, WASTE SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S., (SODIUM HYDROXIDE), 8, PG II	001	DM	00070	P	D002		
X	7. RQ, UN3244, WASTE SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S., (SULFURIC ACID), 8, PG II (D002)	005	DF	00450	P	D002		
X	8. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (LEAD, CHROMIUM), 9, PG III (D007 D008)	003	DM	01515	P	D007	D008	

32. Special Handling Instructions and Additional Information

[illegible] [illegible] 12x55
[illegible] [illegible] 1x55
[illegible] [illegible] 4x55, 1x55
[illegible] [illegible] 3x55

TRANSPORTER

33. Transporter _______ Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

34. Transporter _______ Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

5. H040	6. H141	7. H141	8. H141	

[illegible]

Clean Harbors Manifest Addendum

Generator ID Number:		Sales Order Number:
PAD002312791	002995090FLE	732424928

Sunoco Chemicals
Margaret and Bermuda Street
Philadelphia, PA19137

Line #:	Profile No:	Profile Description:	Physical State	Hazard Code	Waste Codes:
1.	L339743	SPENT GC VIALS			
		CH Container #	Customer Container #		
2.	L38659	ACETONE FILTERS			
		CH Container #	Customer Container #		
3.	L37556	PHENOL RESIDUE SLUDGE			
		CH Container #	Customer Container #		
4.	38669	VT263 ION EXCHANGE RESIN			
		CH Container #	Customer Container #		
5.	L38660	PHENOL FILTER			
		CH Container #	Customer Container #		
6.	L38661	CAUSTIC SOLIDS			
		CH Container #	Customer Container #		
7.	L39785	SULFURIC ACID DEBRIS			
		CH Container #	Customer Container #		
8.	6LID-002	SANDBLASTING SOLIDS			
		CH Container #	Customer Container #		

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
[illegible]	1	[illegible]	0023[illegible]42 FLE

GENERATOR

5. Generator's Name and Mailing Address
[illegible]
Generator's Phone: [illegible]

Generator's Site Address (if different than mailing address)
[illegible]

6. Transporter 1 Company Name
[illegible]
U.S. EPA ID Number: [illegible]

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
[illegible]
Facility's Phone: [illegible]
U.S. EPA ID Number: [illegible]

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. [illegible]	001	DM	00132	P	D001		
X	2. [illegible]	001	DM	00132	P	D001		
X	3. [illegible] (SPENT GC VIALS)	001	DM	00132	P	D001	D002	D035
X	4. [illegible]	001	DM	00132	P	D001	D002	D035

14. Special Handling Instructions and Additional Information
[illegible]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	07	14	13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	07	14	13
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
[illegible]	[illegible]	[illegible]	[illegible]

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 3129367790 01 ~~~~ 3/5/2010 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: PA0002311271
22. Page: 2 of 2
23. Manifest Tracking Number: 002331442FLE

24. Generator's Name: Sunoco Inc

25. Transporter _______ Company Name — U.S. EPA ID Number

26. Transporter _______ Company Name — U.S. EPA ID Number

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	5. UN2821, WASTE PHENOL SOLUTIONS, 6.1, PG II (SPENT PHENOL GC VIALS)	001	DM	775 ~~[illegible]~~ 228	P	U188		
X	6. UN2735, WASTE AMINES, LIQUID, CORROSIVE, N.O.S., (ISOPHORONEDIAMINE, M-XYLENE DIAMINE), 3, PG I	001	DF	775 ~~[illegible]~~ 56	P	D002		
X	7. UN1789, WASTE HYDROCHLORIC ACID SOLUTION, 8, PG II	001	DF	775 ~~[illegible]~~ 130	P	D002		
X	8. UN3244, WASTE SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S., (SODIUM HYDROXIDE), 8, PG II	001	DM	775 ~~00400~~ 124	P	D002		
	9. NONE, WASTE NON DOT REGULATED MATERIAL, N/A	008	DM	775 ~~[illegible]~~ 1602	P			

32. Special Handling Instructions and Additional Information
5.L329744 ERG#153 1255 9.LCCRN 1255
6.LCCRB ERG#153 1216
7.LCCRA ERG#157 1220
8.L29661 ERG#154 1255

TRANSPORTER

33. Transporter _______ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _______ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

5. H040	6. H040	7. H040	8. H141	9. H040

... has the appropriate permits for and will accept the waste the generator is shipping.

CleanHarbors
ENVIRONMENTAL SERVICES®

Land Disposal Restriction Notification Form

Printed Date :Jul 13, 2010

MANIFEST INFORMATION

Generator : Sunoco Inc

Address: Margaret and Bermuda Street
Philadelphia,PA 19137

EPA ID #: P A D 0 0 2 3 1 2 7 9 1

Manifest Tracking Info.

002331442FLE

Sales Order No: 632926779-001

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	LCCRD	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	LCCRD	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	1	L339743	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids
U002U055	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	L38662	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	Ignitables, except High TOC Liquids
D003	Other reactives
U096	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
5.	2	L339744	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
U188	NONE

CleanHarbors ENVIRONMENTAL SERVICES®

Land Disposal Restriction Notification Form

Printed Date :Jul 13, 2010

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
Phenol	Y	N	N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
6.	2	LCCRB	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D002	Corrosive Characteristic

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
7.	2	LCCRA	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D002	Corrosive Characteristic

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
8.	2	L38661	NON-WASTEWATER	3 (Alternate Debris Standard)

EPA Waste Code	EPA Waste SubCategory
D002	Corrosive Characteristic

Certification	Applies to Manifest Line Items
Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.	1. 2. 3. 4. 5. 6. 7.
This hazardous debris is subject to the Alternate Treatment Standards of 40 CFR 268.45.	8.
This waste is not restricted as specified in 40 CFR 268 Subpart D.	9.

Waste analysis data, where available, is attached.

Signature : Paul Parsing — Print Name : Paul Parsing

Title : Environ Tech — Date : 7/14/10

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 73310721[illegible] 5C PPW 7/14/2010 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: PAD002312791	2. Page 1 of 2	3. Emergency Response Phone: (800)433-3716
4. Manifest Tracking Number: 003[illegible]417 FLE		

5. Generator's Name and Mailing Address
Sunoco Inc
Margaret and Bermuda Street
Philadelphia, PA 19137
Generator's Phone: (215)807-8442

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
Clean Harbors Environmental Services Inc
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Harbors El Dorado LLC
309 American Circle
El Dorado, AR 71730
Facility's Phone: (870)863-7173
U.S. EPA ID Number: ARD069748192

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S., (ACETONE, PHENOL), 3, PG II, (GC VIALS) (SPENT GC VIALS)	1	DM	125	P	D001	U002	U058
X	2. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S., (CUMENE, WATER, DIRT), 3, PG II	3	DM	610	P	D001	U055	
X	3. UN3110, WASTE ORGANIC PEROXIDE TYPE F, SOLID (CUMENE HYDROGEN PEROXIDE), 5.2, PG II	4	DM	700	P	D001	D003	U096
X	4. UN2821, WASTE PHENOL SOLUTIONS, 6.1, PG II (SPENT PHENOL GC VIALS)	1	DM	125	P	U188		

14. Special Handling Instructions and Additional Information
1. L330742 ERG#128 1x55
2. L37557 ERG#128 3x55
3. L38672 ERG#145 4x55
4. L339744 ERG#153 1x55

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Adrienne Blanchard | Signature: [signature] | Month 06 Day 24 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jeff Treadaway | Signature: [signature] | Month 06 Day 24 Year 10
Transporter 2 Printed/Typed Name | Signature | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
H040 Clean Harbors has the appropriate H040 for and will manage this waste the generator is shipping H040
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name | Signature | Month Day Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 73310721 SCRAP 7/14/2016 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: PAD062312791

22. Page: 2 of 2

23. Manifest Tracking Number: 003397417JJ

24. Generator's Name: Sunoco Inc

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	5. UN3243, SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (PHENOL) 6.1 PG II	3	DM	330	P	
X	6. UN3244, WASTE SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S., (SODIUM HYDROXIDE), 8, PG II	5	DM	1100	P	D002
X	7. NA NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (BENZENE), 9, PG III (D018)	1	DM	110	P	D018

32. Special Handling Instructions and Additional Information

5. CB59493 ERG#153
6. L38663 ERG#154
7. CB127449 ERG#171

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

5. H040	6. H141	7. H040		

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Clean Harbors has the appropriate permits for and will accept this waste for treatment & disposal.

CleanHarbors
ENVIRONMENTAL SERVICES®

Land Disposal Restriction Notification Form

Printed Date :Sep 27, 2010

MANIFEST INFORMATION

Generator : Sunoco Inc

Address: Margaret and Bermuda Street
Philadelphia,PA 19137

EPA ID #: P A D 0 0 2 3 1 2 7 9 1

Manifest Tracking Info.

003397417FLE

Sales Order No: 733107210

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	L339743	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids
U002U055	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	L37557	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids
U055	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	1	L38662	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	Ignitables, except High TOC Liquids
D003	Other reactives
U096	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	L339744	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
U188	NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
Phenol	Y	N	N

Printed Date :Sep 27, 2010

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
6.	2	L38661	NON-WASTEWATER	3 (Alternate Debris Standard)

EPA Waste Code	EPA Waste SubCategory
D002	Corrosive Characteristic

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
7.	2	CH127448	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D018	NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
ANTHRACENE	Y	N	N
BENZ (A) ANTHRACENE	Y	N	N
BENZO (A) PYRENE	Y	N	N
BENZO (B) FLUORANTHENE	Y	N	N
BENZO (K) FLUORANTHENE	Y	N	N
CHRYSENE	Y	N	N
FLUORENE	Y	N	N
INDENO (1,2,3-C,D) PYRENE	Y	N	N
NAPHTHALENE	Y	N	N
PHENANTHRENE	Y	N	N
TOLUENE	Y	N	N
XYLENES (MIXED ISOMERS)	Y	N	N

Clean Harbors
ENVIRONMENTAL SERVICES®

Land Disposal Restriction Notification Form

Printed Date :Sep 27, 2010

Certification	Applies to Manifest Line Items
Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.	1. 2. 3. 4. 7.
This waste is not restricted as specified in 40 CFR 268 Subpart D.	5.
This hazardous debris is subject to the Alternate Treatment Standards of 40 CFR 268.45.	6.

Waste analysis data, where available, is attached.

Signature : Adrienne Blanchard Print Name Adrienne Blanchard

Title : Environmental Engineer Date : 9/29/2010

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
PAD00[illegible]	1	[illegible]	003917352 FLE

5. Generator's Name and Mailing Address
[illegible] Inc
Margaret and [illegible] Street
Philadelphia, PA 1913[illegible]
Generator's Phone: 215[illegible]

Generator's Site Address (if different than mailing address)
SAME

6. Transporter 1 Company Name
Clean Harbors Environmental Services Inc
U.S. EPA ID Number
MAD039322250

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors El Dorado LLC
309 American Circle
El Dorado, AR 71730
Facility's Phone: 870[illegible]
U.S. EPA ID Number
ARD069748192

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (CUMENE, WATER, OHRG), 3, PG II	003	DM	01110	P	D001	U055	
X	2. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (ACETONE, PHENOL), 3, PG II, (GC VIALS) (SPENT GC VIALS)	001	DM	00130	P	D001	D002	U055
X	3. UN3110, WASTE ORGANIC PEROXIDE TYPE F, SOLID, (CUMENE HYDROGEN PEROXIDE), 5.2, PG II	009	DM	01800	P	D001	D003	U096
X	4. UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S. (PHENOL, ACETOPHENONE), 6.1, PG II	004	DM	00500	P	U022		

14. Special Handling Instructions and Additional Information
[illegible]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Mary A [illegible]	[signature]	03	0[illegible]	11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: ____
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

	Printed/Typed Name	Signature	Month	Day	Year
Transporter 1	[illegible]	[signature]	03	[illegible]	11
Transporter 2					

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
[illegible]	[illegible]	[illegible]	[illegible]

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR — TRANSPORTER — INT'L — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 133194698001 CPPW 10/28/2010 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	PAD002312791	2 of 2	003911362FLE

24. Generator's Name
Sunoco Inc

25. Transporter ______ Company Name — U.S. EPA ID Number

26. Transporter ______ Company Name — U.S. EPA ID Number

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	5. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMENE, PHENOL), 6.1, PG II	002	DM	00120	P	U188		
X	6. UN3243, WASTE SOLIDS CONTAINING TOXIC LIQUID, N.O.S., (CUMYL PHENOL, PHENOL), 6.1, PG II	001	DM	00060	P	K022		
X	7. UN2811, WASTE TOXIC SOLIDS, ORGANIC, N.O.S., (CHROMIUM, LEAD), 6.1, PG II	001	DM	00060	P	D007	D008	
X	8. UN2821, WASTE PHENOL SOLUTIONS, 6.1, PG II (SPENT PHENOL GC VIALS)	001	DM	00150	P	U188		
X	9. UN3090, LITHIUM BATTERY, 9, PG II, UNIVERSAL WASTE	001	DM	00025	P			
	10. NON DOT REGULATED MATERIAL, (FLUORESCENT LIGHT BULBS-UNIVERSAL WASTE)	001	CF	00018	P			

32. Special Handling Instructions and Additional Information
5.L37560 ERG#151 1X55 9.CH186672 ERG#138 1X55
6.CH12050 ERG#151 1X55 10.CH186669 1X1HTB
7.L130319 ERG#154 1X55
8.L339741 ERG#153 1X55

3/9/11

TRANSPORTER

33. Transporter ______ Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

34. Transporter ______ Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

5. H040	6. H040	7. H040	8. H040	9. H040
10. H039				

...has the appropriate permits for and will accept the waste the generator is shipping.

Clean Harbors
ENVIRONMENTAL SERVICES®

Land Disposal Restriction Notification Form

Printed Date :Mar 09, 2011

MANIFEST INFORMATION

Generator : Sunoco Inc

Address: Margaret and Bermuda Street
Philadelphia,PA 19137

EPA ID #: PAD002312791

Manifest Tracking Info.

003917962FLE

Sales Order No: 633394658-001

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	L37557	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids
U055	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
2.	1	L339743	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	High TOC Ignitable Liquids
U002U055	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	1	L38662	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D001	Ignitables, except High TOC Liquids
D003	Other reactives
U096	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
4.	1	L37558	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
K022	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
5.	2	L37560	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
U188	NONE

Printed Date :Mar 09, 2011

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
3.	2	CH12050	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
K022	NONE

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
7.	2	L330319	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D007	Toxicity Characteristic for Chromium
D008	Toxicity Characteristic for Lead

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
Chromium	Y	N	N
LEAD	Y	N	N

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
8.	2	L339744	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
U188	NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
Phenol	Y	N	N

Clean Harbors
ENVIRONMENTAL SERVICES

Land Disposal Restriction Notification Form

Printed Date :Mar 09, 2011

Certification	Applies to Manifest Line Items
Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.	1. 2. 3. 4. 5. 6. 7. 8.
This waste is not restricted as specified in 40 CFR 268 Subpart D.	9. 10.

Waste analysis data, where available, is attached.

Signature : _____ Print Name MARK SWEITZER

Title : ENV. ENGINEER Date : 3/9/11

Attachment 4A
Three Years of Manifests Showing Disposal of Lead-Acid Batteries

VEOLIA ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
	PAD002392701	2	(877) 310 0087	ZZ 00141831

5. Generator's Name and Mailing Address
SUNOCO CHEMICALS
MARGARET & BERMUDA
PHILADELPHIA, PA 19137

Generator's Site Address (if different than mailing address)
SAME

Generator's Phone: 215 807 2442

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS — U.S. EPA ID Number: N 1 0 0 1 0 6 3 1 3 0 0

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS
LLC
1 EDEN LANE
FLANDERS, NJ 07836

Facility's Phone: 973 347-1909

U.S. EPA ID Number: N J D 9 8 0 5 3 6 5 9 3

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
X	UN2794, BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, III	0 0 1	D F	0 0 0 4 5	P	NONE
X	UN2809, MERCURY CONTAINED IN MANUFACTURED ARTICLES, 8, III	0 0 1	D F	0 0 0 0 5	P	NONE
X	UN2795, BATTERIES, WET, FILLED WITH ALKALI, ELECTRIC STORAGE, 8, III	0 0 1	D F	0 0 0 2 5	P	NONE
X	UN3090, LITHIUM BATTERY, 9, II	0 0 1	D F	0 0 0 1 0	P	NONE

14. Special Handling Instructions and Additional Information
1) W:321516 A:AERC13931-LEADZ LEAD ACID BATTERIES- UNIVERSAL WASTE 2) W: 321228 A:AER000783NJ MERCURY APPARATUS 3) W:899362 A:AERC13931-NICAD NI CAD BATTERIES- UNIVERSAL WASTE 4) W:550721 A:AERC13931-LITHZ LITHIUM BATTERIES- UNIVERSAL WASTE |- ER Service Contracted by VESTS
RCO 11-5-08

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X Paul Pevsner — Signature: [signature] — Month 10 Day 14 Year 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Shipment
Transporter 1 Printed/Typed Name: DAN BARSZCZ — Signature: [signature] — Month 10 Day 14 Year 08
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Shipping Document Tracking Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141	H141	H141

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a
Printed/Typed Name: William Riker — Signature: [signature] — Month 10 Day 15 Year 08

DESIGNATED FACILITY TO GENERATOR

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT (Continuation Sheet)	21. Generator ID Number PAD002312701	22. Page 2 of 2	23. Shipping Document Tracking Number ZZ00141331

24. Generator's Name SUNOCO CHEMICALS

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Codes
	5. ALKALINE BATTERIES, DOT NON REGULATED	001	DF	00040	P	NONE
	6. UNIVERSAL WASTE-LAMPS	002	DF	00110	P	NONE
	7. UNIVERSAL WASTE-LAMPS	003	CF	00045	P	NONE
	8. UNIVERSAL WASTE-LAMPS	002	DF	00050	P	NONE

32. Special Handling Instructions and Additional Information

5) W:682405 A:AERC13931 ALKZ ALKALINE BATTERIES- UNIVERSAL WASTE 6) W:323232 A:FL004127 4 FLUORESCENT LAMPS- UNIVERSAL WASTE 7) W:323232 A:FL004127 U U-TUBES- UNIVERSAL WASTE 8) W:323232 A:FL004127-U U-TUBES- UNIVERSAL WASTE

GENERATOR

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Shipment
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Shipment
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

5. H141 6. H141 7. H141 8. H141

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
			023[illegible]36 FLE

GENERATOR

5. Generator's Name and Mailing Address

Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1.							
X	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Ed Greene	Ed Greene	07	06	07
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Land Disposal Restriction
Notification Form

Printed Date :Sep 02, 2009

MANIFEST INFORMATION

Generator :	Sunoco Chemicals	Manifest Tracking Info.	
Address:	Margaret and Bermuda Street Philadelphia,PA 19137	002085026FLE	
EPA ID #:	PAD002312791	Sales Order No:	632473341-001

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	LBLA2	NON-WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D002	Corrosive Characteristic
D008	Lead Acid Batteries

Certification	Applies to Manifest Line Items
Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.	1.
This waste is not restricted as specified in 40 CFR 268 Subpart D.	2.

Waste analysis data, where available, is attached.

Signature : _____ Print Name Paul Persaud

Title : _____ Date : 9/3/09

[illegible]

Sales Order #: [illegible] Date: [illegible] | CC #: [illegible]
Created By: [illegible] | Customer CC #:
 | Profile#: [illegible]

[illegible] Comment:

GENERATOR		DESIGNATED FACILITY	
Generator Code:	[illegible]	Facility Code:	[illegible]
Generator EPA ID #:	PAD002312791	Facility EPA ID #:	ARD069748192
Generator Name:	Sunoco Chemicals	Facility Name:	Clean Harbors El Dorado LLC
Address:	Margaret and Bermuda Street	Address:	309 American Circle
	Philadelphia, PA 19137		El Dorado, AR 71730
Phone:	(215) 807-8442	Phone:	(870) 863-7173

MANIFEST

Manifest Tracking #: 002055056FLE Container Type/Description: 16DF 16 gallon drum
Manifest Page #: 1
Manifest Line #: 1 Shipping Quantity: 35 Pounds
DOT Shipping Name: UN2794, WASTE BATTERIES, WET, FILLED WITH ACID, 8, PG III

Item #	Substance	Waste Codes	Qty	Size	L/S/G
1000000034	Leaking lead acid battery (100.00%)	D002, D008	35 Pounds	0.0E0	Solid

[illegible]

CONTAINER

Sales Order [illegible] #:	[illegible] 001 Date:09/02/2009	CP #:	C00006812
Created By:	MEERSJI	Customer CP #:	
		Profile#:	[illegible]

Labpack Comment :

GENERATOR		DESIGNATED FACILITY	
Generator Code:	SUO285	Facility Code:	CL
Generator EPA ID #:	PAD002312791	Facility EPA ID #:	ARD069748192
Generator Name:	Sunoco Chemicals	Facility Name:	Clean Harbors El Dorado LLC
Address:	Margaret and Bermuda Street	Address:	309 American Circle
	Philadelphia, PA 19137		El Dorado, AR 71730
Phone:	(215) 307-8442	Phone:	(870) 863-7173

MANIFEST

Manifest Tracking #: 002996096FLE Container Type/Description: 15DF 16 gallon drum

Manifest Page #: 1

Manifest Line #: 1. Shipping Quantity: 35 Pounds

DOT Shipping Name: UN2794, WASTE BATTERIES, WET, FILLED WITH ACID, 8, PG III

Item #	Substance	Waste Codes	Qty	Size	L/S/G
1000000035	Leaking lead acid battery (100.00%)	D002, D008	35 Pounds	0.0E0	Solid

CONTAINER

Sales Order Task #:	32478341 001 Date 06/02/2009	LP #:	000008610
Created By:	WEEPS01	Customer LP #:	
		Profile #:	CBLA2

Labpack Comment :

GENERATOR		DESIGNATED FACILITY	
Generator Code:	000265	Facility Code:	EL
Generator EPA ID #:	PAD002312791	Facility EPA ID #:	ARD069748192
Generator Name:	Sunoco Chemicals	Facility Name:	Clean Harbors El Dorado LLC
Address:	Margaret and Bermuda Street	Address:	309 American Circle
	Philadelphia, PA 19137		El Dorado, AR 71730
Phone:	(215) 807-0442	Phone:	(870) 863-7173

MANIFEST

Manifest Tracking #: 002066096FLE Container Type/Description: 05DF 5 gallon plastic/fiber pail

Manifest Page #: 1

Manifest Line #: 1. **Shipping Quantity:** 15 Pounds

DOT Shipping Name: UN2794, WASTE BATTERIES, WET, FILLED WITH ACID, 8, PG III

Item #	Substance	Waste Codes	Qty	Size	L/S/G
000000033	Leaking lead acid battery (100.00%)	D002, D008	15 Pounds	0.0E0	Solid

Clean Harbors Lab Pack Container Report [illegible]

CONTAINER

Sales Order Task #:	02 1/5241 -01 Date:09/02/2009	LP #:	C00006808
Created By:	MEERS01	Customer LP #:	
		Profile#:	CBL02

Labpack Comment:

GENERATOR		DESIGNATED FACILITY	
Generator Code:	030285	Facility Code:	EL
Generator EPA ID #:	PAD002312791	Facility EPA ID #:	ARD069748192
Generator Name:	Sunoco Chemicals	Facility Name:	Clean Harbors El Dorado LLC
Address:	Margaret and Bermuda Street Philadelphia, PA 19137	Address:	309 American Circle El Dorado, AR 71730
Phone:	(215) 607-8442	Phone:	(870) 863-7173

MANIFEST

Manifest Tracking #: 002995096FLE Container Type/Description: 05DF 5 gallon plastic/fiber pail

Manifest Page #: 1

Manifest Line #: 1. Shipping Quantity: 15 Pounds

DOT Shipping Name: UN2794, WASTE BATTERIES, WET, FILLED WITH ACID, 8, PG III

Item #	Substance	Waste Codes	Qty	Size	L/S/G
000000031	Leaking lead acid battery (100.00%)	D002, D009	15 Pounds	0.0E0	Solid

[illegible]

CONTAINER

Sales Order Task #: [illegible]2478241-01 Date 09/02/2009 | LP #: [illegible]00000F609
Created By: [illegible]EERSJ | Customer LP #:
| Profile: [illegible]BLA2

Labpack Comment:

GENERATOR		DESIGNATED FACILITY	
Generator Code:	[illegible]0235	Facility Code:	EL
Generator EPA ID #:	PAD0023[illegible]791	Facility EPA ID #:	ARD069748192
Generator Name:	Sunoco Chemicals	Facility Name:	Clean Harbors El Dorado LLC
Address:	Margaret and Bermuda Street	Address:	309 American Circle
	Philadelphia, PA 19137		El Dorado, AR 71730
Phone:	(215) 307-3442	Phone:	(870) 863-7173

MANIFEST

Manifest Tracking #: 002995096FLE Container Type/Description: 05DF 5 gallon plastic/fiber pail

Manifest Page #: 1

Manifest Line #: 1 Shipping Quantity: 15 Pounds

DOT Shipping Name: UN2794, WASTE BATTERIES, WET, FILLED WITH ACID, 8, PG III

Item #	Substance	Waste Codes	Qty	Size	L/S/G
000000032	Leaking lead acid battery (100.00%)	D002, D008	15 Pounds	0.000	Solid

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
				ZZ 00138871

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

GENERATOR

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
X	1.					NONE
X	2.					NONE
X	3.					NONE
	4.					NONE

14. Special Handling Instructions and Additional Information

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Mark A. Sweitzer — Signature — Month 09 Day 23 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: Mark Vassey — Signature — Month 09 Day 25 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT (Continuation Sheet)	21. Generator ID Number	22. Page	23. Shipping Document Tracking Number

24. Generator's Name

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Codes		

32. Special Handling Instructions and Additional Information

GENERATOR

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Shipment

Printed/Typed Name	Signature	Month	Day	Year

34. Transporter _____ Acknowledgment of Receipt of Shipment

Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

35. Discrepancy

36. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number ZZ 00224094

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
X	1.	003	CW17	P		NONE
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name — Signature — Month 12 Day 16 Year 05

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name — Signature — Month 12 Day 16 Year 05

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

R.M 12/16/05 JH

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number ZZ 00205033

5. Generator's Name and Mailing Address | Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name | U.S. EPA ID Number

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address | U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
X	1.					
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
		2		ZZ 00203477

GENERATOR

5. Generator's Name and Mailing Address

[illegible] CHEMICALS
MARGARET & BERMUDA
PHILADELPHIA, PA [illegible]

Generator's Phone: [illegible]

Generator's Site Address (if different than mailing address)

SAME

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS — U.S. EPA ID Number: N J D 0 8 3 4 3 1 3 6 9

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address

VEOLIA ES TECHNICAL SOLUTIONS, L.L.C.
5100 HEDLEY STREET
PHILADELPHIA, PA 19137

Facility's Phone: [illegible]

U.S. EPA ID Number: P A D 0 8 1 0 1 5 1 5 7

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
X	1 UN2794, BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, III	001	CF	~~3,100~~ 13 NO	P	NONE
X	2 UN2794, BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, III	001	DF	~~19,343~~ 8873	P	NONE
	3 UNIVERSAL WASTE LAMPS	~~1,113~~ 001	DF	~~13,110~~ 13 52	P	NONE
	4 UNIVERSAL WASTE-LAMPS	001	CF	~~20,125~~ 1870	P	NONE

14. Special Handling Instructions and Additional Information

1) W:321516 A:AERC13931-LEADZ LEAD ACID BATTERIES 2) W:321516 A:AERC13931-LEADZ LEAD ACID BATTERIES 3) W:323232 A:FL004127-4 4' FLUORESCENT LAMPS 4) W:323232 A:FL004127-8 4' FLUORESCENT LAMPS [illegible] CR Service Contracted by VEOLIA

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	4	16	10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
[illegible] RAMOND	[illegible]	4	16	10
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT (Continuation Sheet)	21. Generator ID Number	22. Page	23. Shipping Document Tracking Number
	[illegible]	2 of 2	220203127

24. Generator's Name [illegible]

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Codes
	9, UNIVERSAL WASTE LAMPS	001	DF	113 ~~POUNDS~~	P	NONE
	9, UNIVERSAL WASTE MERCURY CONTAINING LAMPS	001	DF	~~1 POUND~~ 113	P	NONE
	7, UNIVERSAL WASTE LAMPS	001	DF	~~1 POUND~~ 113	P	NONE

32. Special Handling Instructions and Additional Information

a) W323232 A FL004127 C COMPACT FLUORESCENTS b) W806008 A HI0010 SNU
SID BULBS c) W323232 A FL004127 U U-TUBES

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Shipment
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Shipment
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number [illegible]	2. Page 1 of 2	3. Emergency Response Phone [illegible]	4. Shipping Document Tracking Number ZZ 00133195

5. Generator's Name and Mailing Address SUNOCO CHEMICALS MARGARET & BERMUDA PHILADELPHIA, PA 19137 Generator's Phone: 215 407 8453	Generator's Site Address (if different than mailing address) SAME	
6. Transporter 1 Company Name VEOLIA ES TECHNICAL SOLUTIONS		U.S. EPA ID Number NJD089431339
7. Transporter 2 Company Name		U.S. EPA ID Number
8. Designated Facility Name and Site Address VEOLIA ES TECHNICAL SOLUTIONS, L.L.C. 3100 HEDLEY STREET PHILADELPHIA, PA 19137 Facility's Phone: 800 423-2342		U.S. EPA ID Number PAD931245157

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
X	1. UN2794, BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, III	001	CF	01700	P	NONE
	2. UNIVERSAL WASTE MERCURY CONTAINING LAMPS	001	DF	00020	P	NONE
	3. UNIVERSAL WASTE-LAMPS	001	DF	00010	P	NONE
	4. UNIVERSAL WASTE LAMPS	001	DF	00020	P	NONE

14. Special Handling Instructions and Additional Information
1) W:321516 A:AERC13931-LEADZ 2) W:306008 A:HID01315NJ 3) W:323232 A:FL004127-4 4) W:323232 A:FL004127-4 | ER Service Contracted by VESTS
("U" TUBES) (4' FLUOR)

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
MARK A. SWEITZER	[signature]	10	13	10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Shipment

Printed/Typed Name	Signature	Month	Day	Year
Transporter 1: [handwritten name]	[signature]	10	13	10
Transporter 2:				

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Shipping Document Tracking Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a
Printed/Typed Name Signature Month Day Year

GENERATOR / SHIPPER'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
[illegible]	1	[illegible]	00391784 FLE

GENERATOR

5. Generator's Name and Mailing Address

[illegible]
[illegible]
[illegible]
Generator's Phone: [illegible]

Generator's Site Address (if different than mailing address)

SAME

6. Transporter 1 Company Name

[illegible]

U.S. EPA ID Number

[illegible]

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

[illegible]
[illegible]
[illegible]
Facility's Phone: [illegible]

U.S. EPA ID Number

[illegible]

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3028, BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, 8, PG III	[illegible]	DF	[illegible]	P	
X	2. UN3028, BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, 8, PG III, BATTERIES-UNIVERSAL WASTE)	[illegible]	DF	[illegible]	P	
X	3. UN2794, BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, PG III	[illegible]	DF	[illegible]	P	
	4. NON DOT REGULATED MATERIAL	[illegible]	DF	[illegible]	P	

14. Special Handling Instructions and Additional Information

[illegible]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
MARY A SWEITZER	[signature]	05	09	11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	[illegible]	[illegible]	[illegible]
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. [illegible]	2. [illegible]	3. [illegible]	4. [illegible]

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number

24. Generator's Name

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
	NON DOT REGULATED MATERIAL	001	DF	00005	P	

GENERATOR

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete. GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number: FLE

GENERATOR

5. Generator's Name and Mailing Address

Generator's Phone:

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Spring Grove Resource Recovery Inc
4579 Spring Grove Avenue
Cincinnati, OH 45232

U.S. EPA ID Number: OHD000816621

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3244, WASTE SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S., (SODIUM HYDROXIDE), 8, PG II	1	DM	200	P	D002		
X	2. UN2794, BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, 8, PG III	23	CF	1,514	P			
	3.							
	4.							

14. Special Handling Instructions and Additional Information

2. 23 Lead Acid Batteries in 1 pallet.

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: MARY A. SWEITZER | Signature | Month: 05 | Day: 25 | Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: TOM CLINE | Signature | Month: 05 | Day: 25 | Year: 11

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141	2. H111	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Clean Harbors
ENVIRONMENTAL SERVICES

Land Disposal Restriction Notification Form

Printed Date: May 25, 2011

MANIFEST INFORMATION

Generator :	Sunoco inc	Manifest Tracking Info.	
Address:	Margaret and Bermuda Street Philadelphia,PA 19137	002922948FLE	
EPA ID #:	PAD002312791	Sales Order No:	703513636

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	L38661	NON-WASTEWATER	3 (Alternate Debris Standard)

EPA Waste Code	EPA Waste SubCategory
D002	Corrosive Characteristic

Certification	Applies to Manifest Line Items
This hazardous debris is subject to the Alternate Treatment Standards of 40 CFR 268.45.	1.
This waste is not restricted as specified in 40 CFR 268 Subpart D.	2.

Waste analysis data, where available, is attached.

Signature : _____ Print Name MARK A. SWEITZER

Title : ENV. ENGINEER Date : 5-25-2011